

claims.

Claims

Sub A2

[c1] A warning system for a subject vehicle proximate a rear approaching vehicle comprising:
a camera generating a plurality of images;
an indicator;
a controller coupled to the indicator receiving the plurality of images, said controller generating a size and position signal for the plurality rear approaching vehicle, said controller activating an indicator when a rear approach vehicle enters a blind spot as determined in response to said size and position signal.

[c2] A system as recited in claim 1 wherein said camera has a rear field of view adjacent to the blind spot.

[c3] A system as recited in claim 1 wherein said camera comprises a low light camera.

[c4] A system as recited in claim 1 wherein said controller comprises a fuzzy neural network for classifying the object in response to the size and position signal.

[c5] A system as recited in claim 1 wherein said camera comprises a rear-facing camera.

[c6] A system as recited in claim 1 wherein said rear-facing camera is mounted to a rear panel of the subject vehicle.

[c7] A warning system for a blind spot of an automotive vehicle thereof comprising:
a camera generating a plurality of images;
an indicator; and
a controller coupled to the indicator receiving the plurality of images, said controller generating a size, a position and a track for a rear approaching vehicle, said controller activating an indicator when a rear approach vehicle enters a blind spot as determined in response to said size, track and position.

[c8] A system as recited in claim 7 wherein said camera has a rear field of view adjacent to the blind spot.

[c9] A system as recited in claim 7 wherein said camera comprises a low light camera.

[c10] A system as recited in claim 7 wherein said controller comprises a fuzzy neural network for classifying the object in response to the size and position signal.

[c11] A system as recited in claim 7 wherein said camera comprises a rear-facing camera.

[c12] A system as recited in claim 7 wherein said rear-facing camera is mounted to a rear panel.

[c13] A method of warning of a vehicle within a blind spot comprising:
generating a plurality of images of an object;
determining a size and a position of the object from the images;
determining a transition of the object into the blind spot; and
generating a warning when the object enters the blind spot.

[c14] A method as recited in claim 13 further comprising determining a trajectory from the plurality of images of the object.

[c15] A method as recited in claim 13 wherein generating a plurality of images comprises generating a plurality of images from a camera.

[c16] A method as recited in claim 15 wherein said camera comprises a low light camera.

[c17] A method as recited in claim 15 wherein said camera comprises a rear-facing camera.

[c18] A method as recited in claim 18 wherein generating a warning comprises generating an audible warning.

[c19] A method as recited in claim 13 wherein generating a warning comprises generating a visual warning.